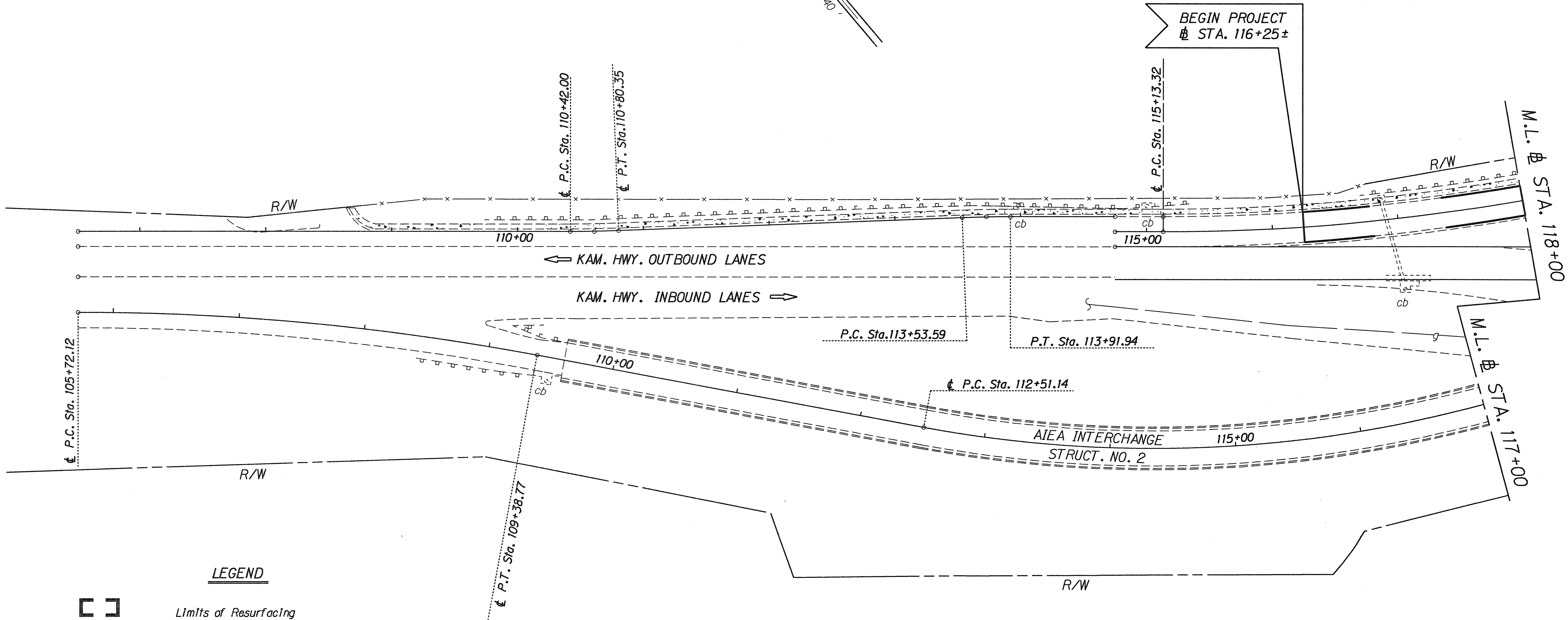


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	6	70

TRUE NORTH
SCALE: 1" = 40'



LEGEND

- Limits of Resurfacing
- Reconstructed Areas
- sdmh Existing Storm Drain Manholes
- htmh Existing Hawaiian Tel. Manhole
- hemh Existing Hawaiian Elec. Manhole
- smh Existing Sewer Manhole
- gv Existing Gas Valve

ORIGINAL PLAN	SHEET NO.	DATE
DESIGNED BY	TRACED BY	
NOTE BOOK	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

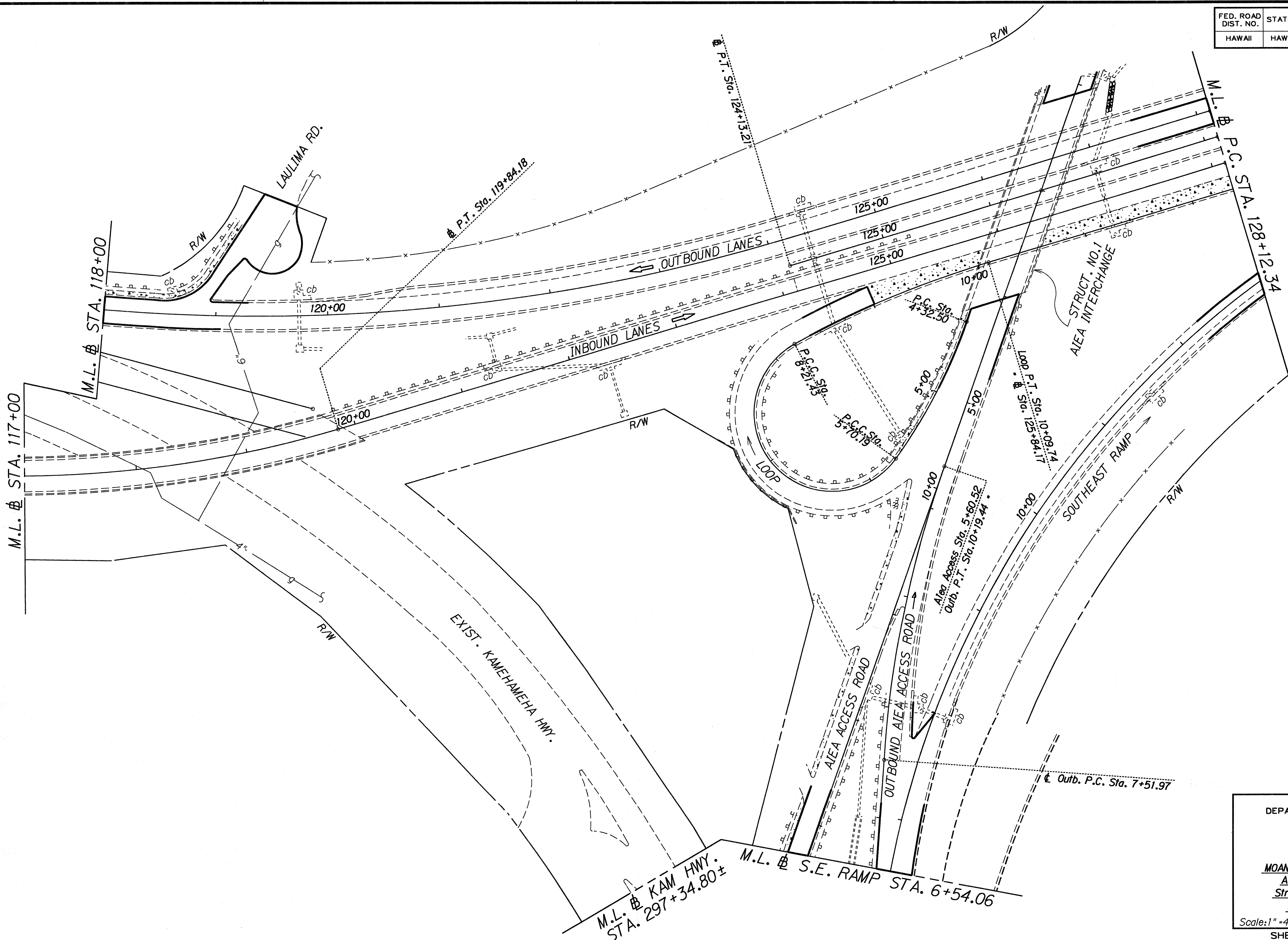
MOANALUA FREEWAY RESURFACING
Aiea Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M

Scale: 1" = 40' Date: Dec., 1991

SHEET No. 1 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	7	70

TRUE NORTH
SCALE: 1" = 40'



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

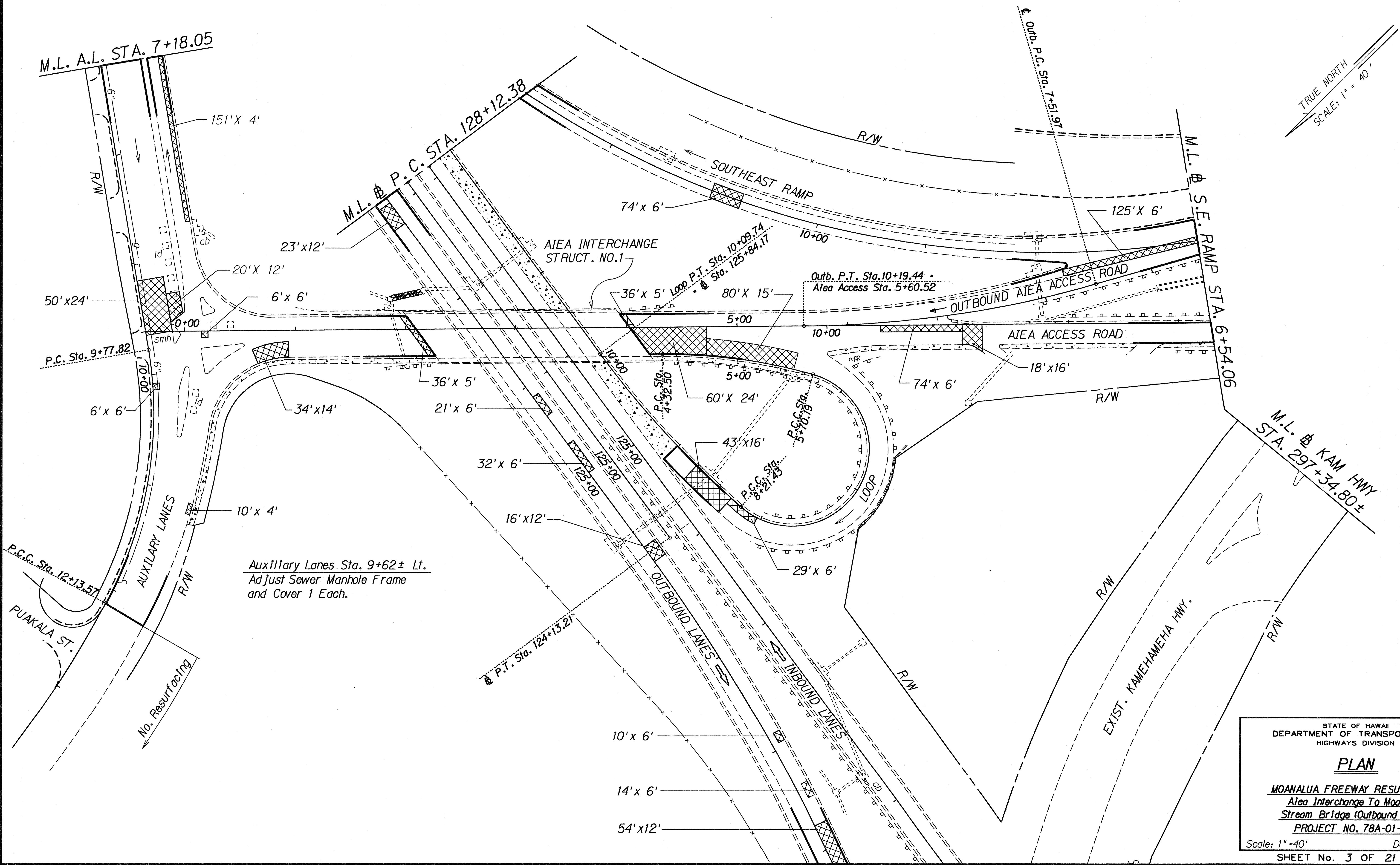
MOANALUA FREEWAY RESURFACING
Aiea Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M

Scale: 1" = 40' Date: Dec., 1991

SHEET No. 2 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	8	70

ORIGINAL PLAN	DATE
NOTED BY	ED. L. ENDERLIN
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
N.	

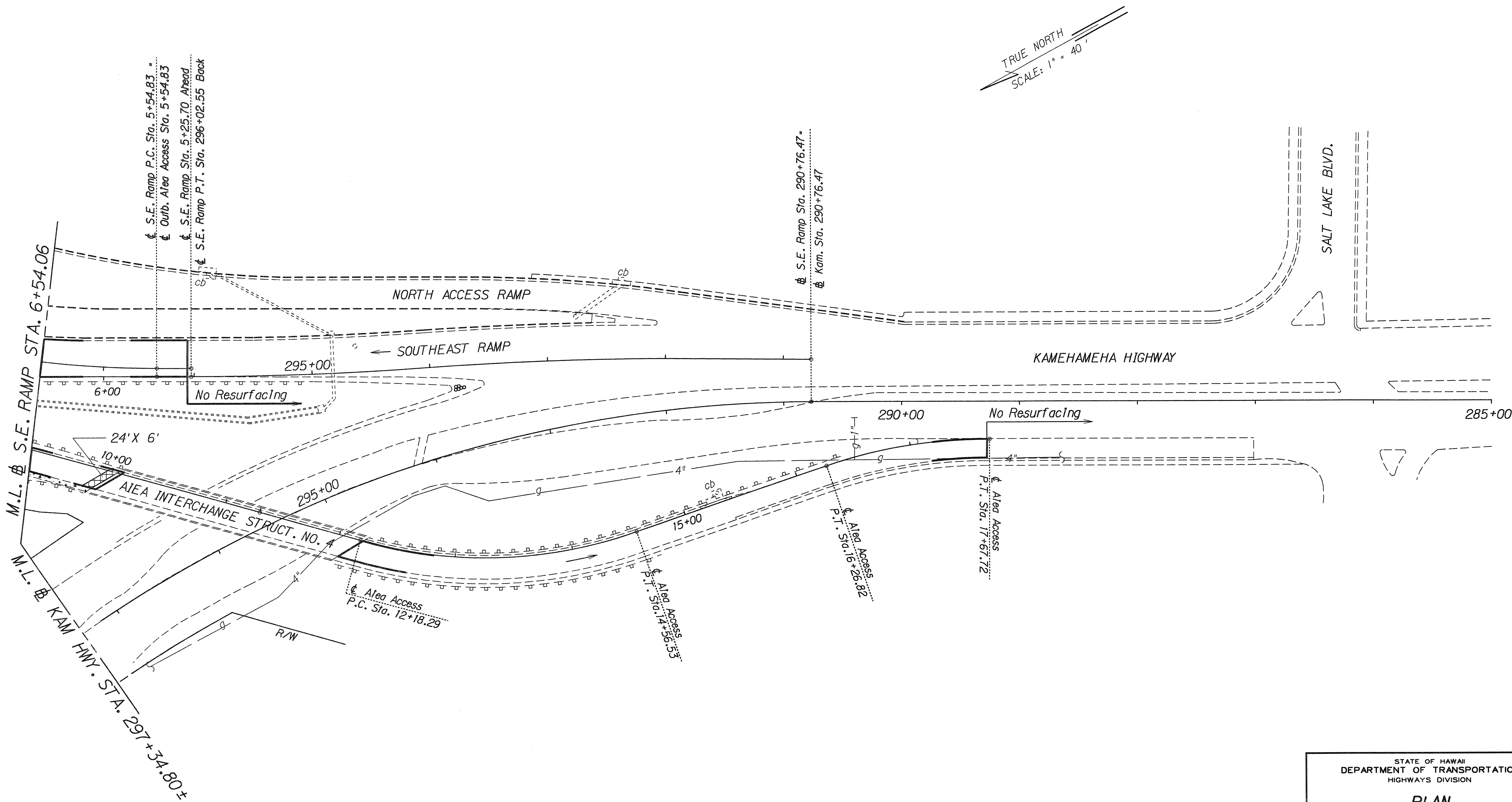


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

MOANALUA FREEWAY RESURFACING
Aiea Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M
Scale: 1" = 40' Date: Dec., 1991
SHEET No. 3 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	9	70



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NO. 1	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

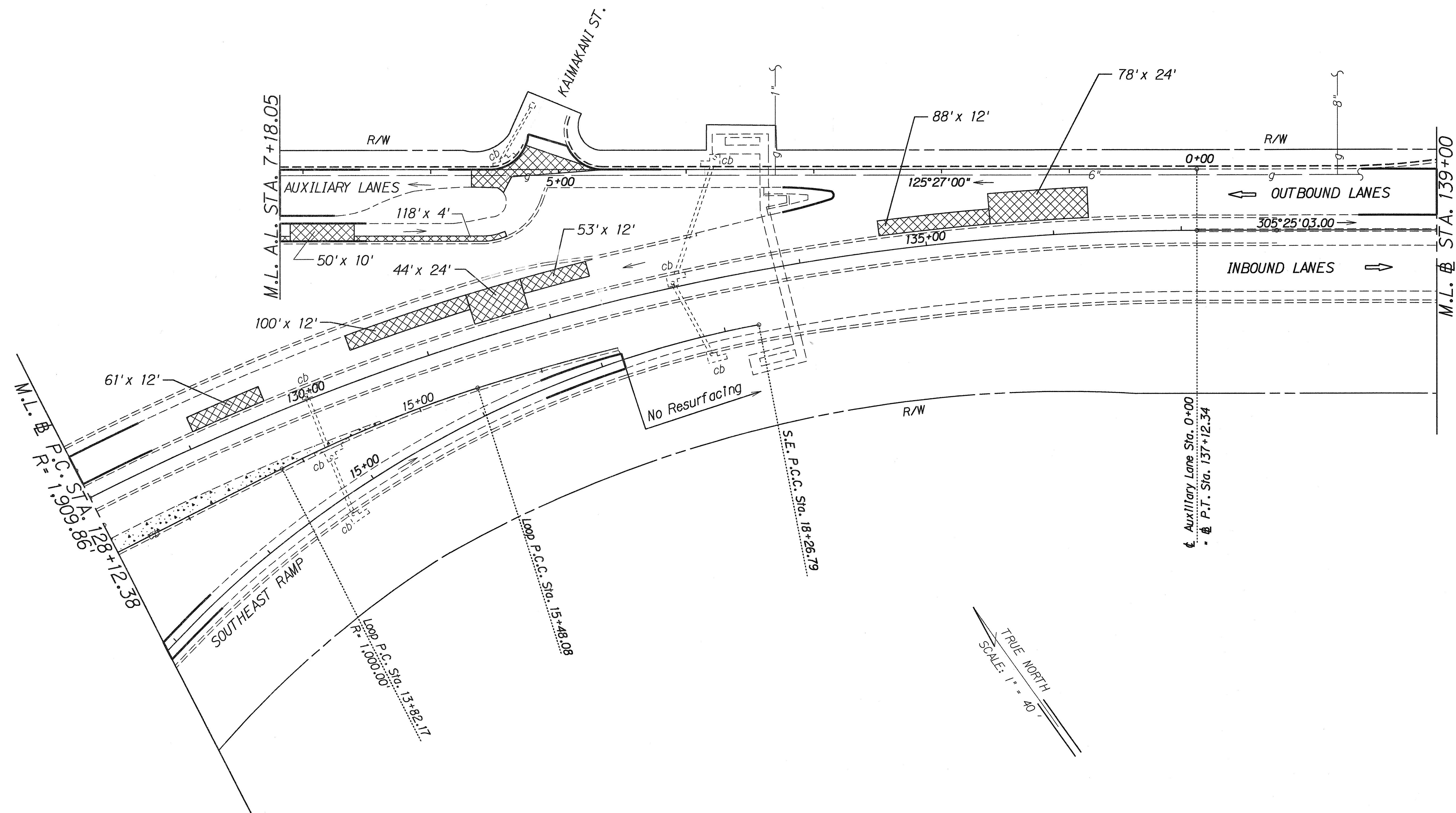
PLAN

MOANALUA FREEWAY RESURFACING
Aiea Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M

Scale: 1" = 40' Date: Dec., 1991

SHEET No. 4 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	10	70



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

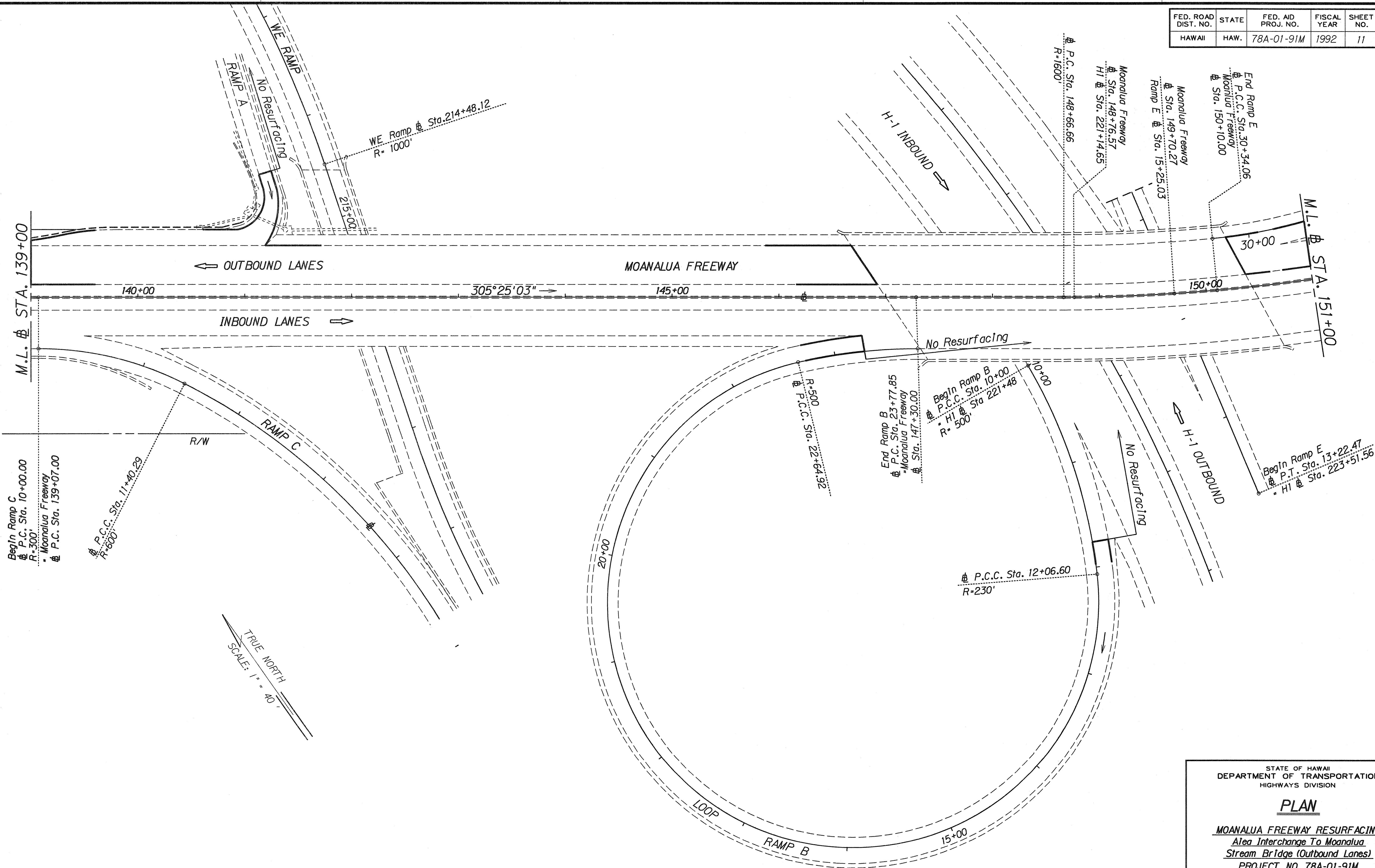
PLAN

MOANALUA FREEWAY RESURFACING
Aiea Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M

Scale: 1" = 40' Date: Dec., 1991

SHEET No. 5 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	11	70



ORIGINAL PLAN	DATE
DESIGNED BY	DATE
TRACED BY	DATE
NOTE BOOK	DATE
QUANTITIES BY	DATE
CHECKED BY	DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

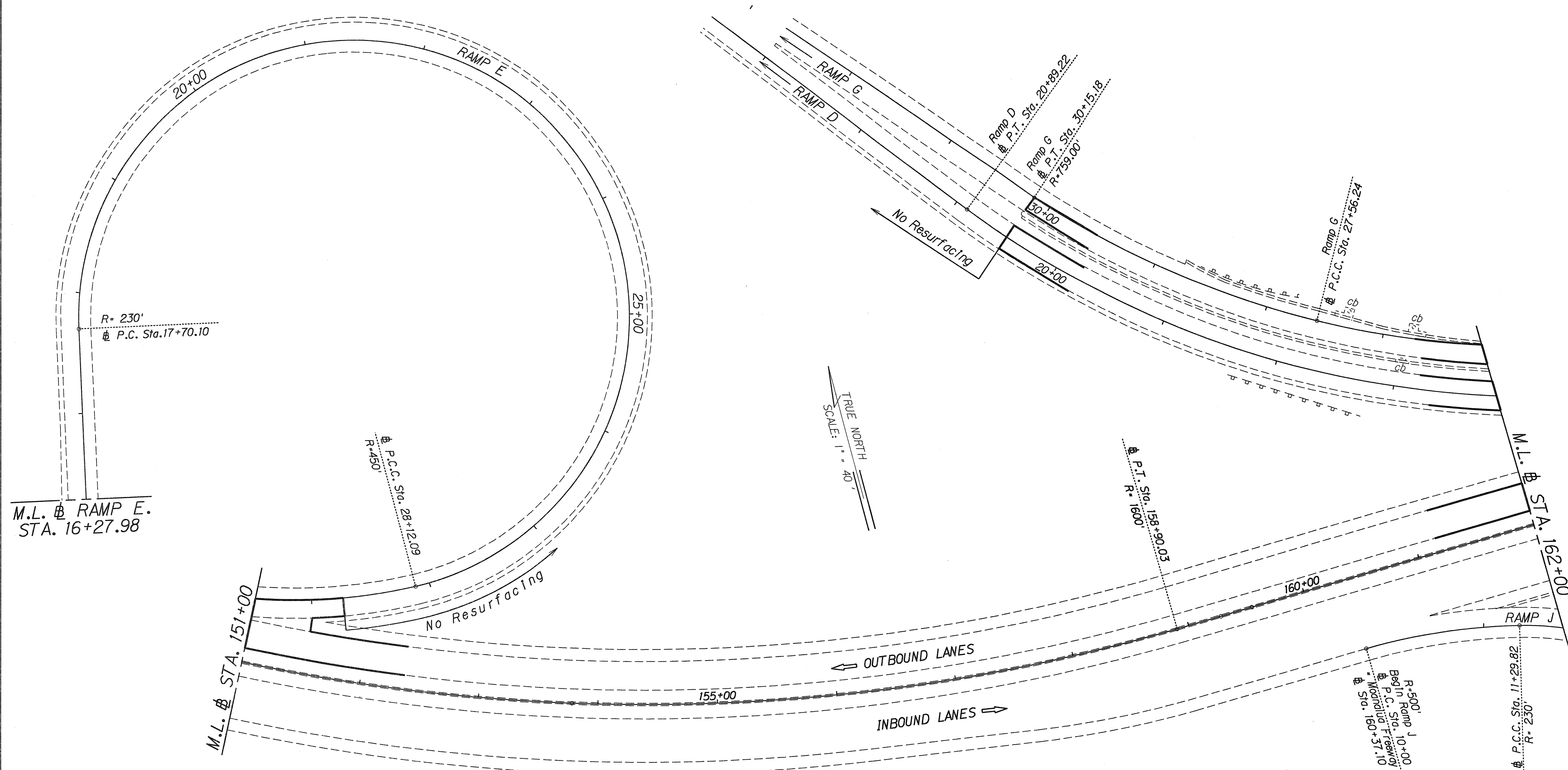
PLAN

MOANALUA FREEWAY RESURFACING
Alaia Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M

Scale: 1" = 40' Date: Dec., 1991

SHEET No. 6 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	12	70



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

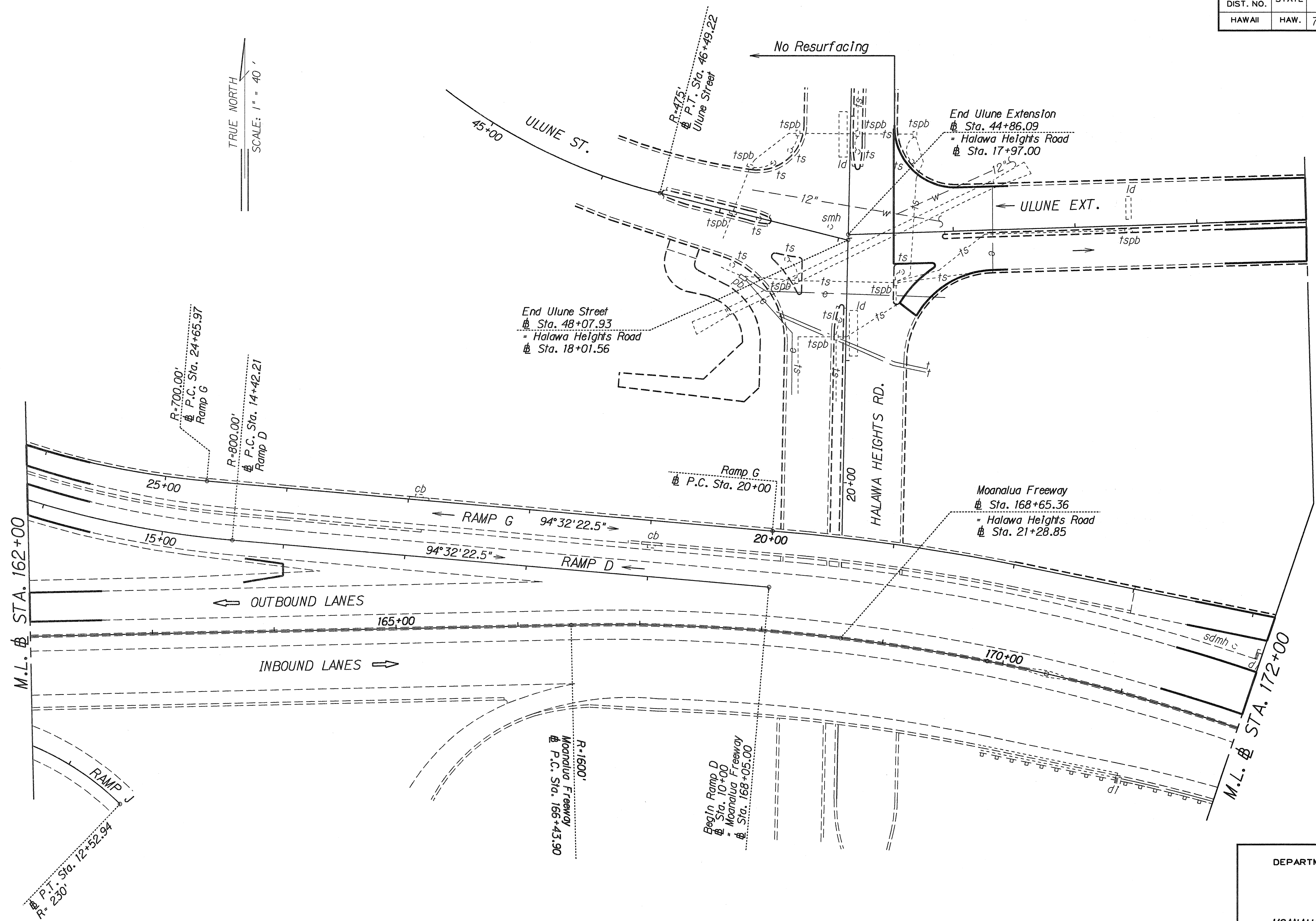
PLAN

MOANALUA FREEWAY RESURFACING
Alaia Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M

Scale: 1"=40' Date: Dec., 1991

SHEET No. 7 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	13	70



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DESIGNED BY		
NOTE BOOK		
QUANTITIES BY		
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

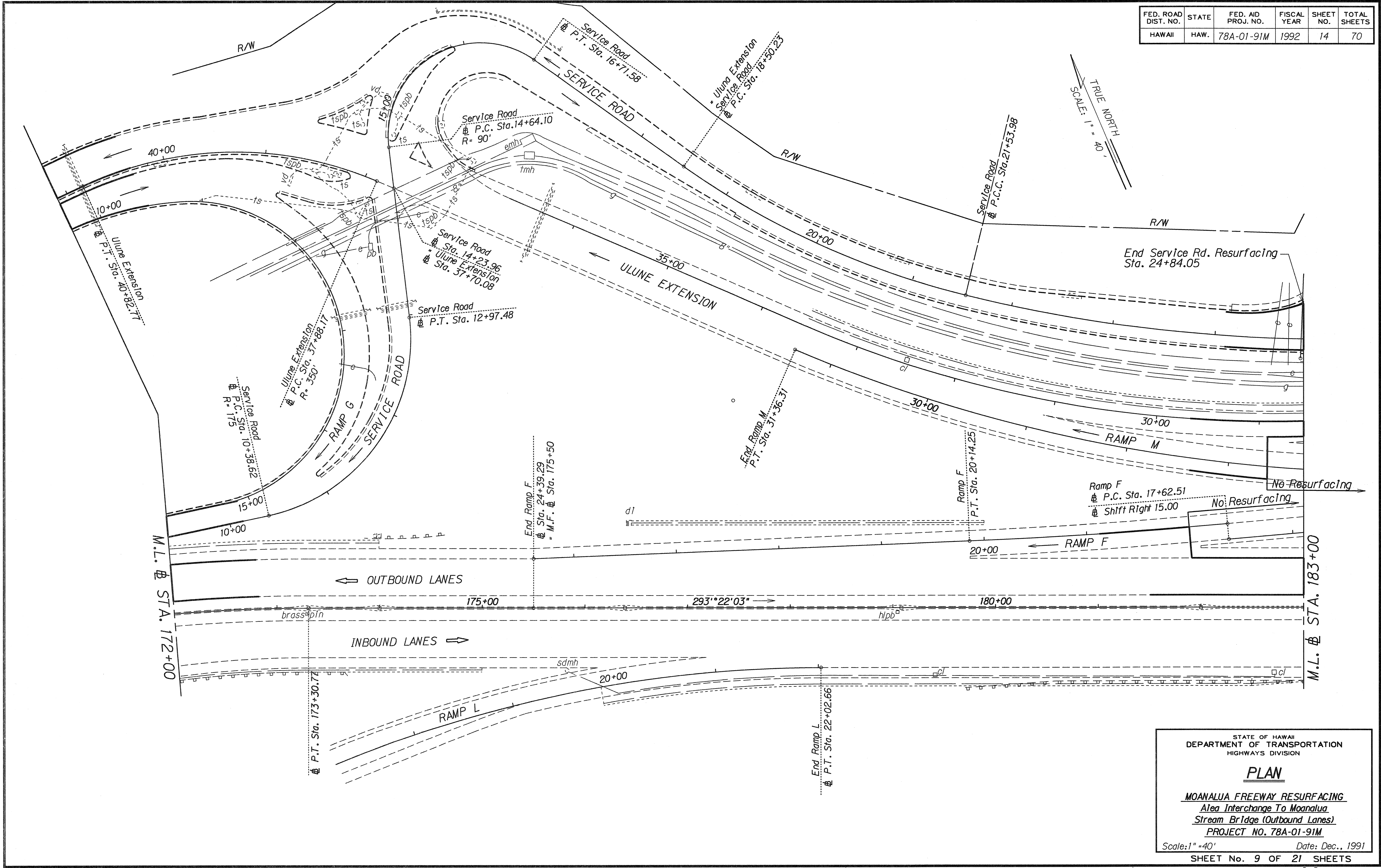
MOANALUA FREEWAY RESURFACING
Aiea Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M

Scale: 1" = 40' Date: Dec., 1991

SHEET No. 8 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	14	70

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

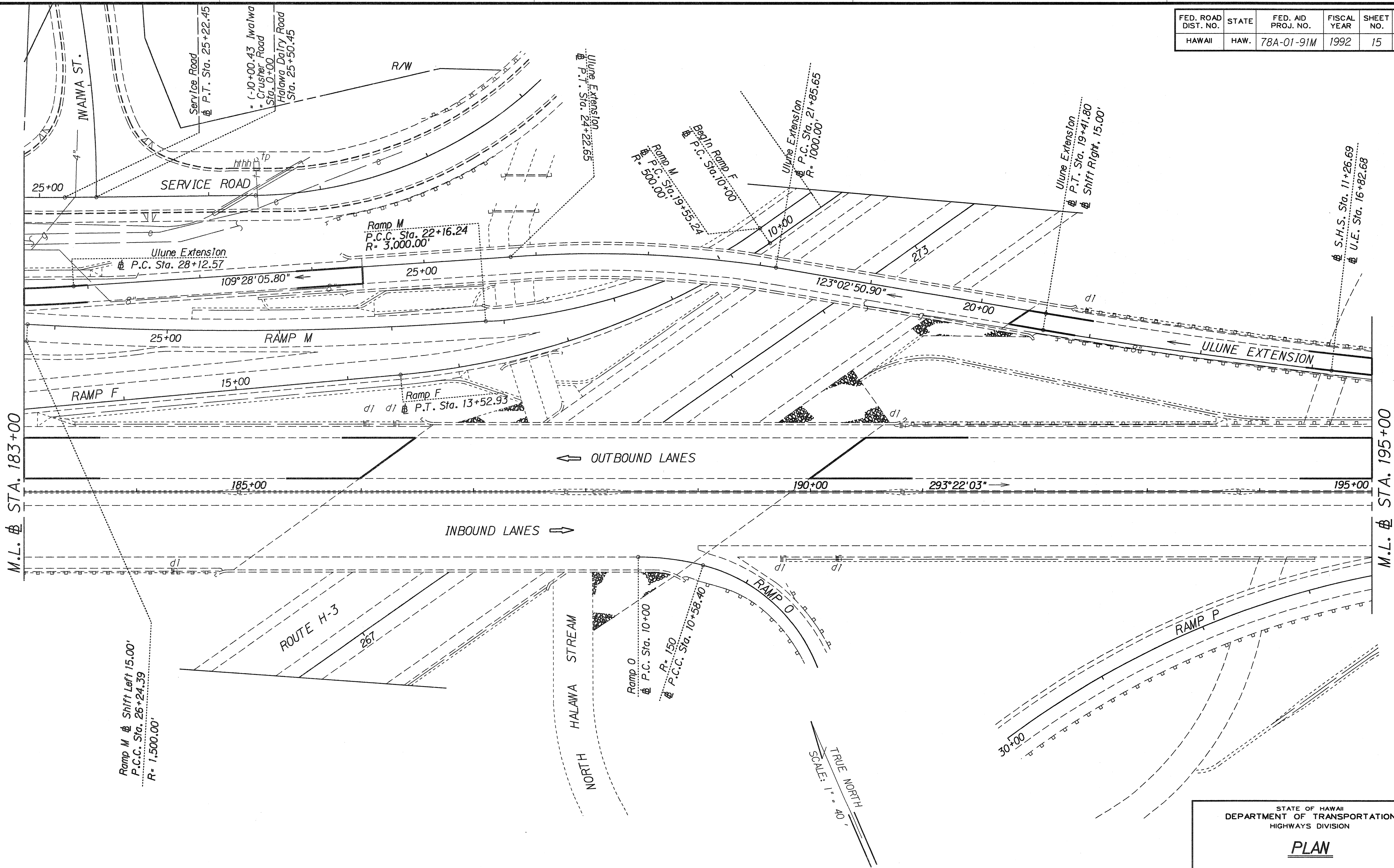
PLAN

MOANALUA FREEWAY RESURFACING
Aiea Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M

Scale: 1" = 40' Date: Dec., 1991

SHEET No. 9 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	15	70



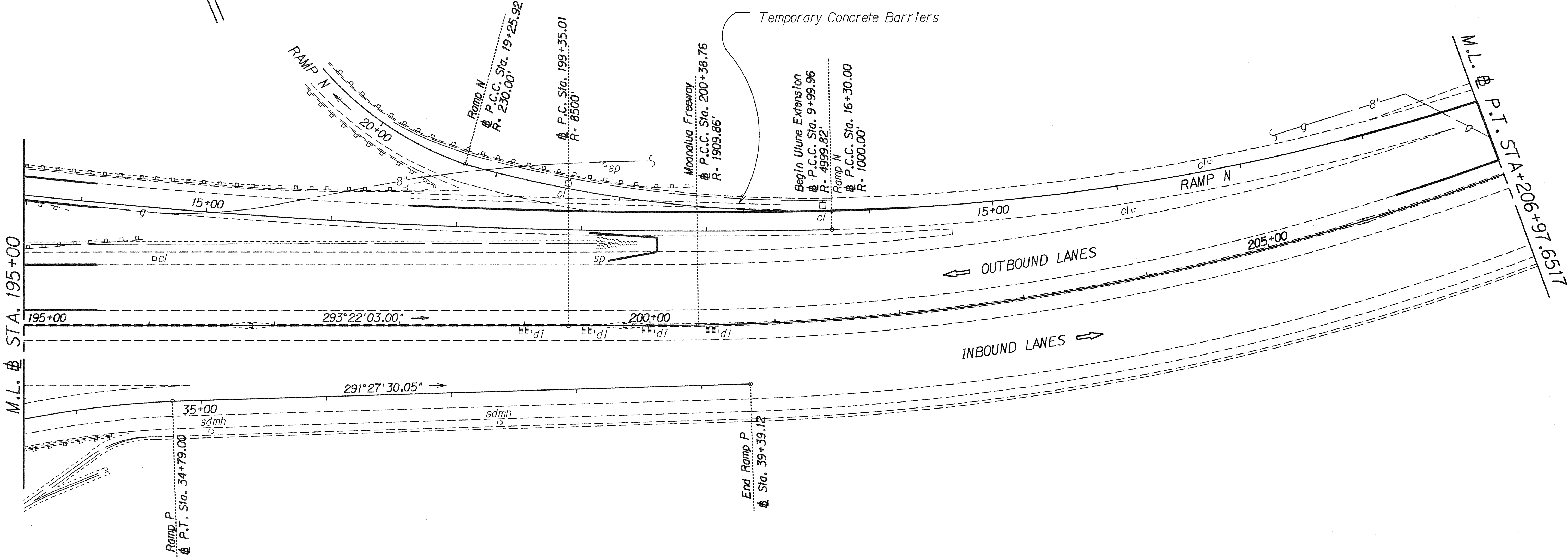
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NOTE BOOK	DESIGNED BY	
N.	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN
MOANALUA FREEWAY RESURFACING
Ala Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M
Scale: 1" = 40' Date: Dec., 1991
SHEET No. 10 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	16	70

SCALE: 1" = 40'
TRUE NORTH



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

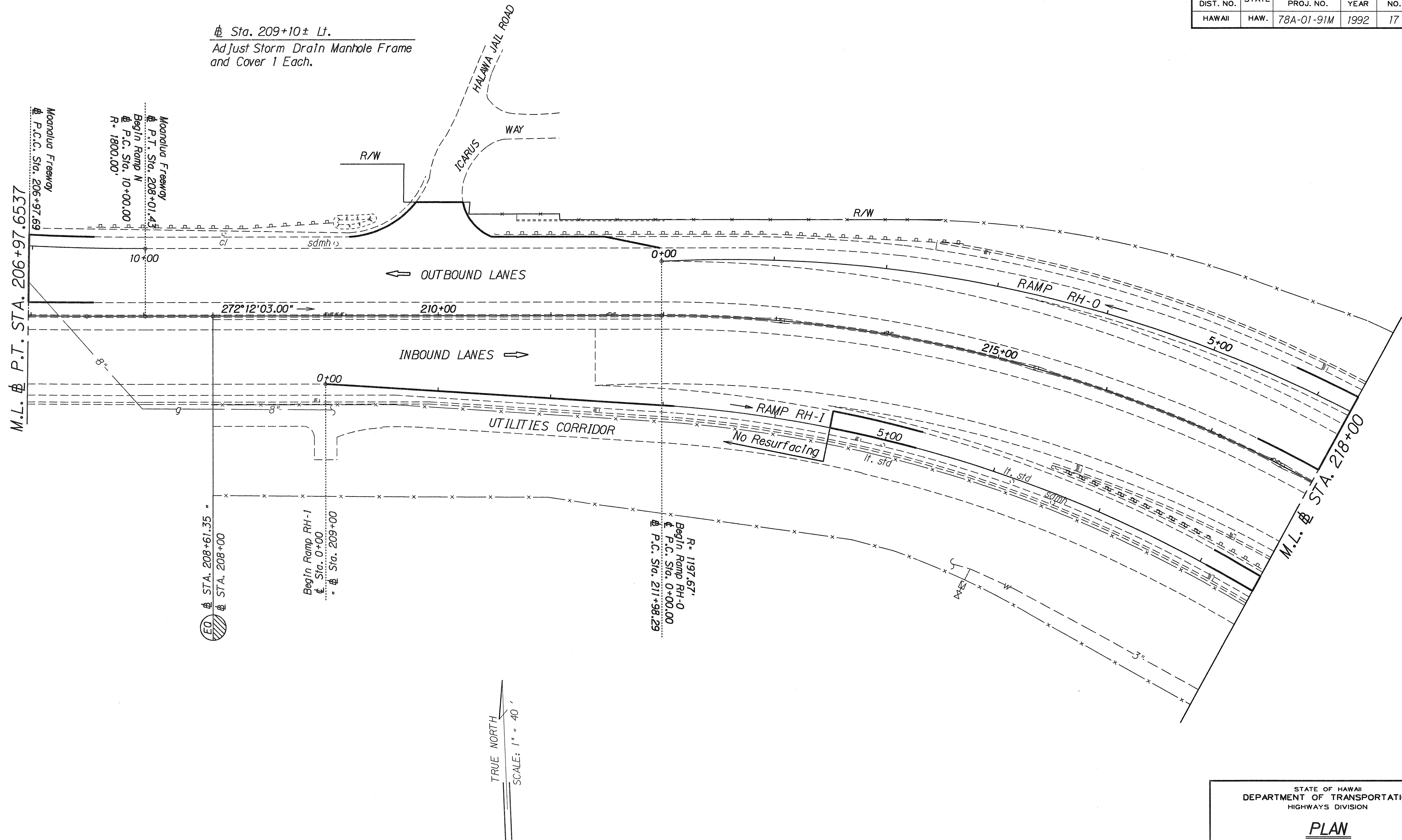
PLAN

MOANALUA FREEWAY RESURFACING
Alaia Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M

Scale: 1" = 40' Date: Dec., 1991

SHEET No. 11 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	17	70



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

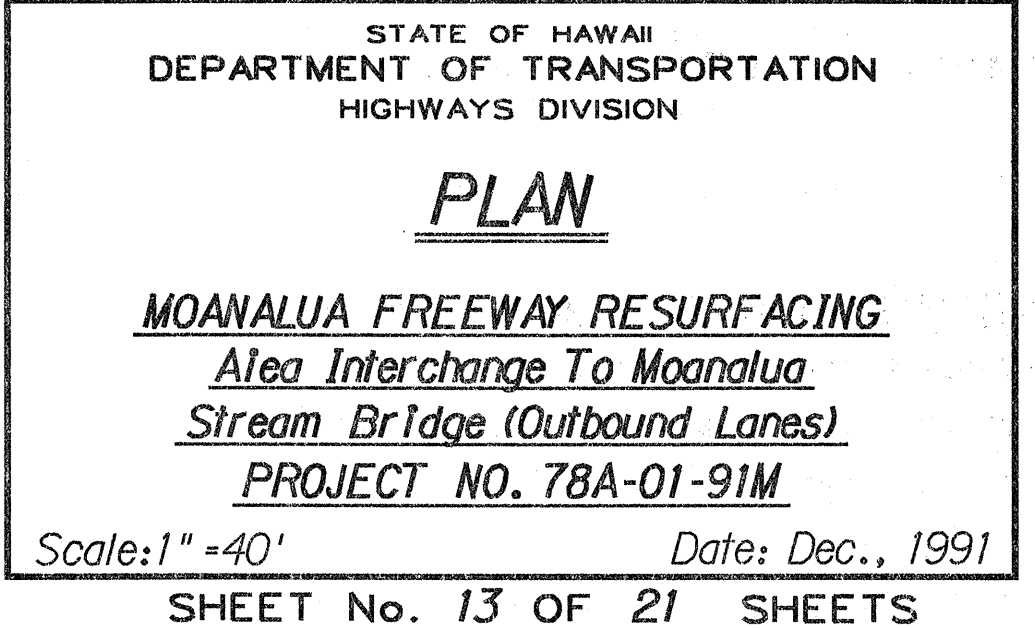
PLAN

MOANALUA FREEWAY RESURFACING
Aiea Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M

Scale: 1" = 40' Date: Dec., 1991

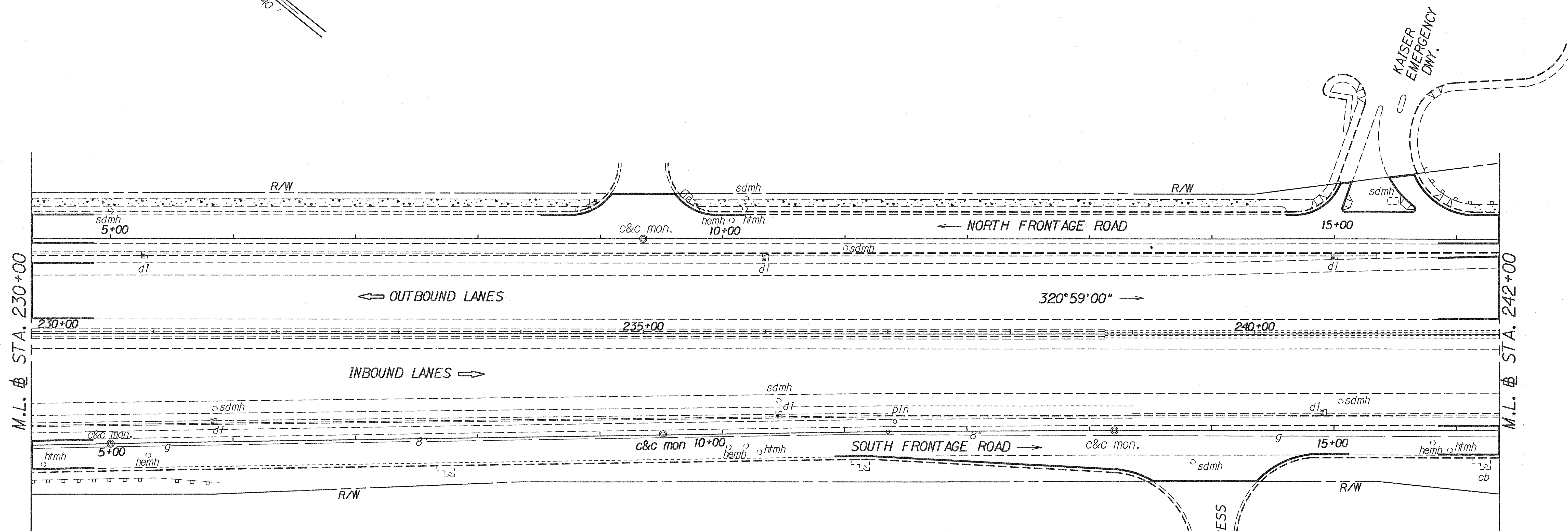
SHEET No. 12 OF 21 SHEETS

N. Frontage Rd. Sta. 2+25± Lt.
Adjust Storm Drain Manhole Frame
and Cover 1 Each.



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	19	70

TRUE NORTH
SCALE: 1" = 40'



S. Frontage Rd. Sta. 4+35± Rt.;
Sta. 10+30± Rt.; Sta. 15+95± Rt.
Adjust HTCO Manhole Frame
and Cover 3 Each.

S. Frontage Rd. Sta. 5+30± Rt.;
Sta. 10+05± Rt.; Sta. 10+20± Rt.;
Sta. 15+80± Rt.;
N. Frontage Rd. Sta. 10+10± Lt.
Adjust HECO Manhole Frame
and Cover 5 Each.

S. Frontage Rd. Sta. 13+85± Rt.
Adjust Storm Drain Manhole Frame
and Cover 1 Each.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DESIGNED BY		
NOTED BY		
CHECKED BY		
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

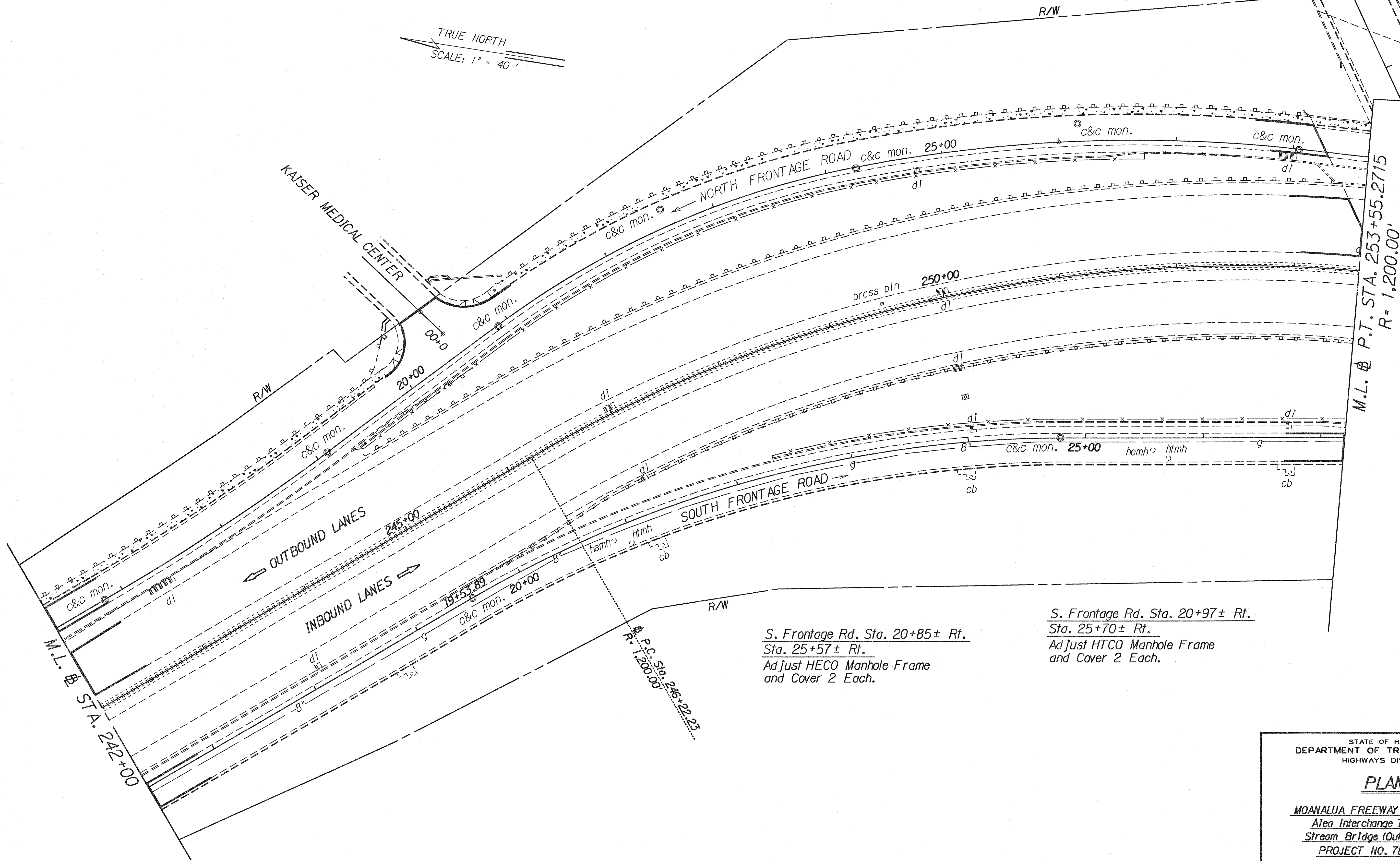
MOANALUA FREEWAY RESURFACING
Alea Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M

Scale: 1" = 40' Date: Dec., 1991

SHEET No. 14 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	20	70

TRUE NORTH
SCALE: 1" = 40'



S. Frontage Rd. Sta. 20+85± Rt.
Sta. 25+57± Rt.
Adjust HECO Manhole Frame
and Cover 2 Each.

S. Frontage Rd. Sta. 20+97± Rt.
Sta. 25+70± Rt.
Adjust HTCO Manhole Frame
and Cover 2 Each.

SURVEY PLOTTED BY	DATE
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NOTED BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

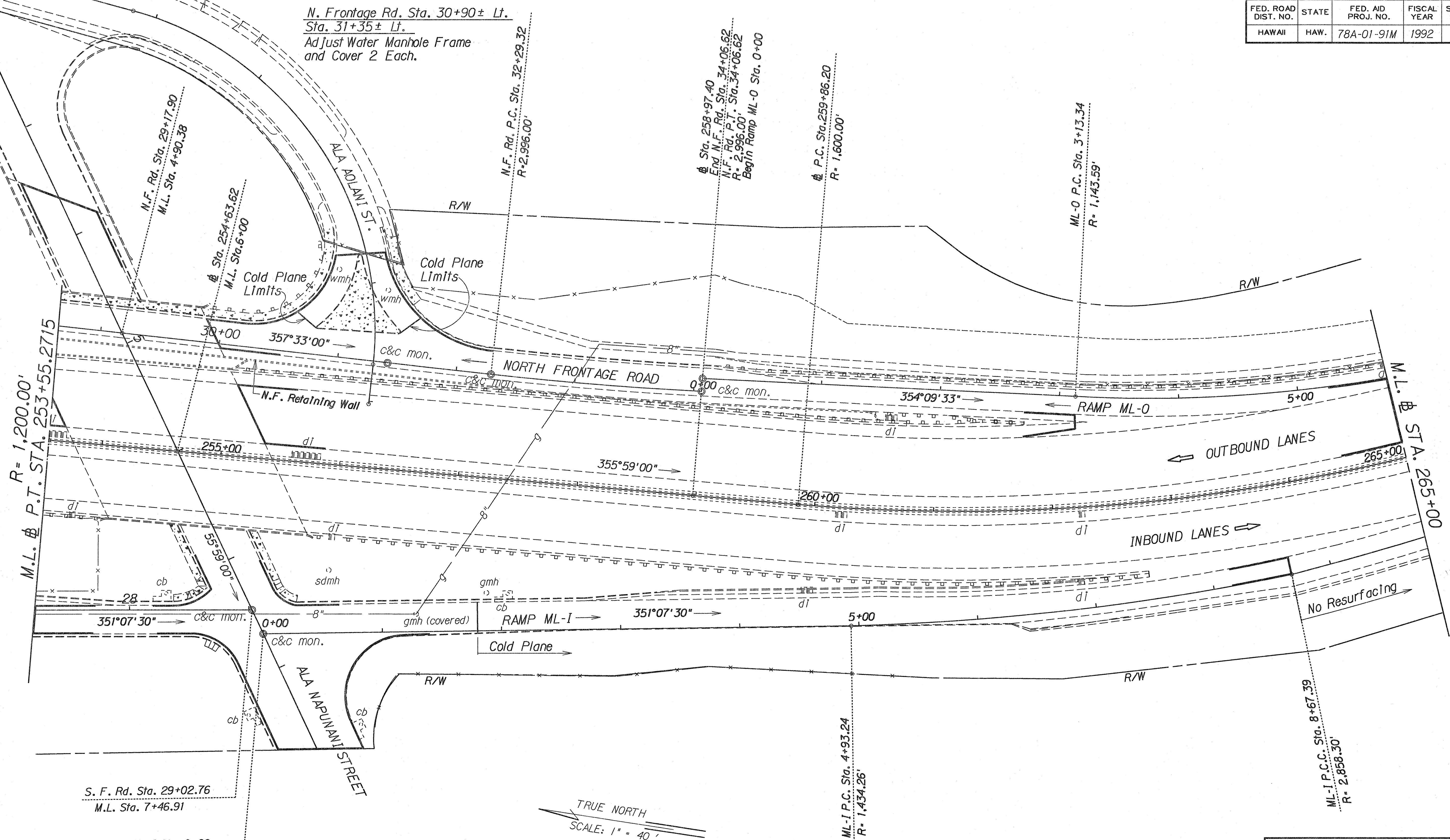
PLAN

MOANALUA FREEWAY RESURFACING
Alaia Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M

Scale: 1" = 40' Date: Dec., 1991

SHEET No. 15 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	21	70



ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

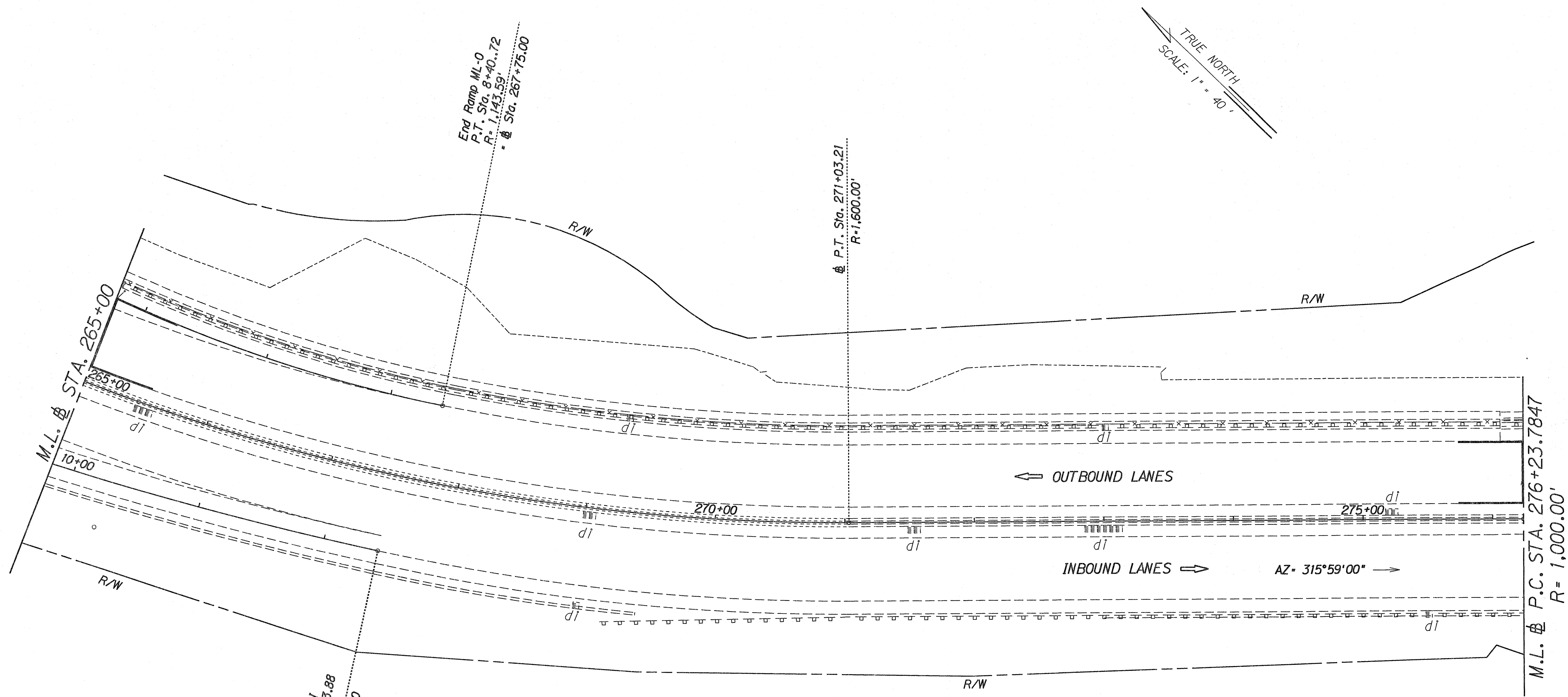
PLAN

MOANALUA FREEWAY RESURFACING
Ala Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M

Scale: 1" = 40' Date: Dec., 1991

SHEET No. 16 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	22	70



ORIGINAL	SEVERY PLOTTED BY	DATE
PLAN	DESIGNED BY	
NOTE BOOK	QUANTITIES BY	
N.	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

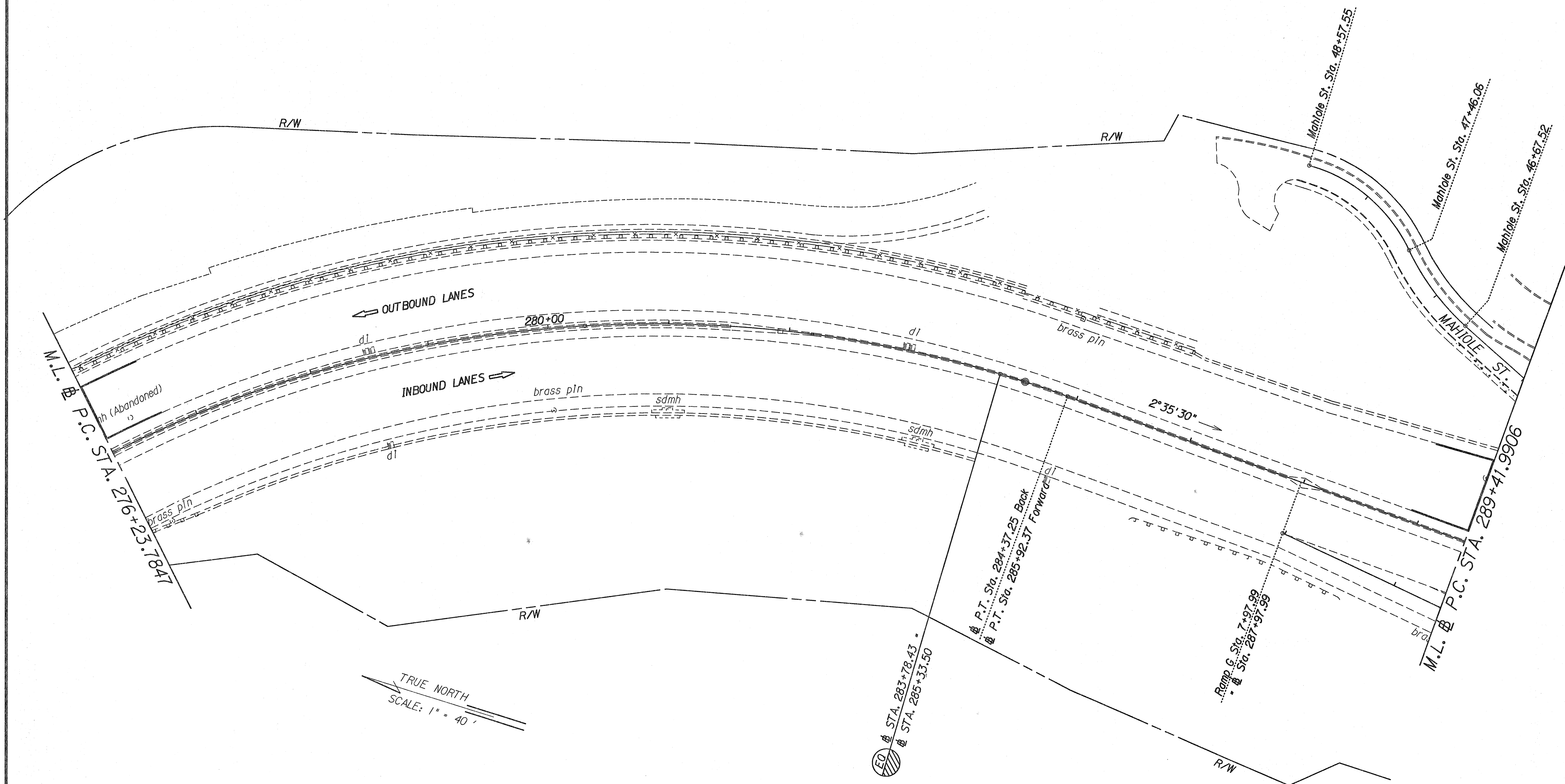
PLAN

MOANALUA FREEWAY RESURFACING
Alea Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M

Scale: 1" = 40' Date: Dec., 1991

SHEET No. 17 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	23	70



DESIGNED BY	DATE
PLANNED BY	
NOTED BY	
CHECKED BY	
DATE	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

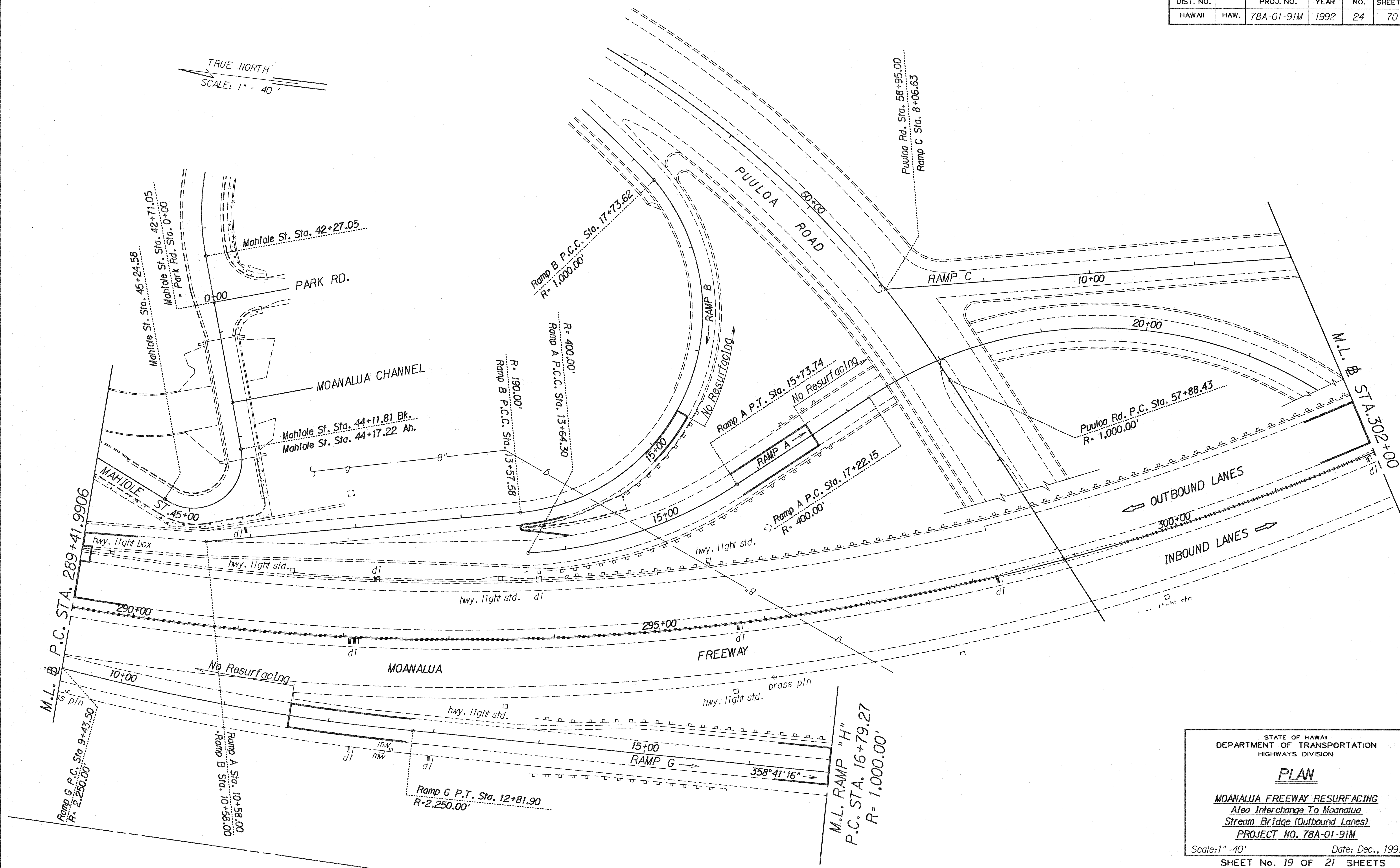
MOANALUA FREEWAY RESURFACING
Aiea Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M

Scale: 1" = 40' Date: Dec., 1991

SHEET No. 18 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	24	70

DESIGNED BY	DATE
TRACED BY	
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

MOANALUA FREEWAY RESURFACING
Aiea Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M

Scale: 1" = 40' Date: Dec., 1991

SHEET No. 19 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	25	70

R= 1,000.00'
M.L. RAMP "H"
P.C. STA. 16+79.27

Ramp G P.C. Sta. 18+45.99
R= 300.00'

Ramp G
P.T. Sta. 20+61.65

Puuloa Rd. Sta. 53+88.10
Ramp E Sta. 9+14.30
Ramp H Sta. 20+12.69

Ramp E R= 450.00'
P.T. Sta. 11+20.33

Puuloa Rd.
P.T. Sta. 52+48.58
R= 150.00'
Ramp F P.C.C. Sta. 8+95.42

End of Ramp F
P.T. Sta. 11+20.68

Ramp A P.T. Sta. 25+28.20

P.T. Sta. 303+04.47
Ramp C P.C. Sta. 13+22.94
R= 500.00'

M.L. STA. 308+00

TRUE NORTH
SCALE: 1" = 40'

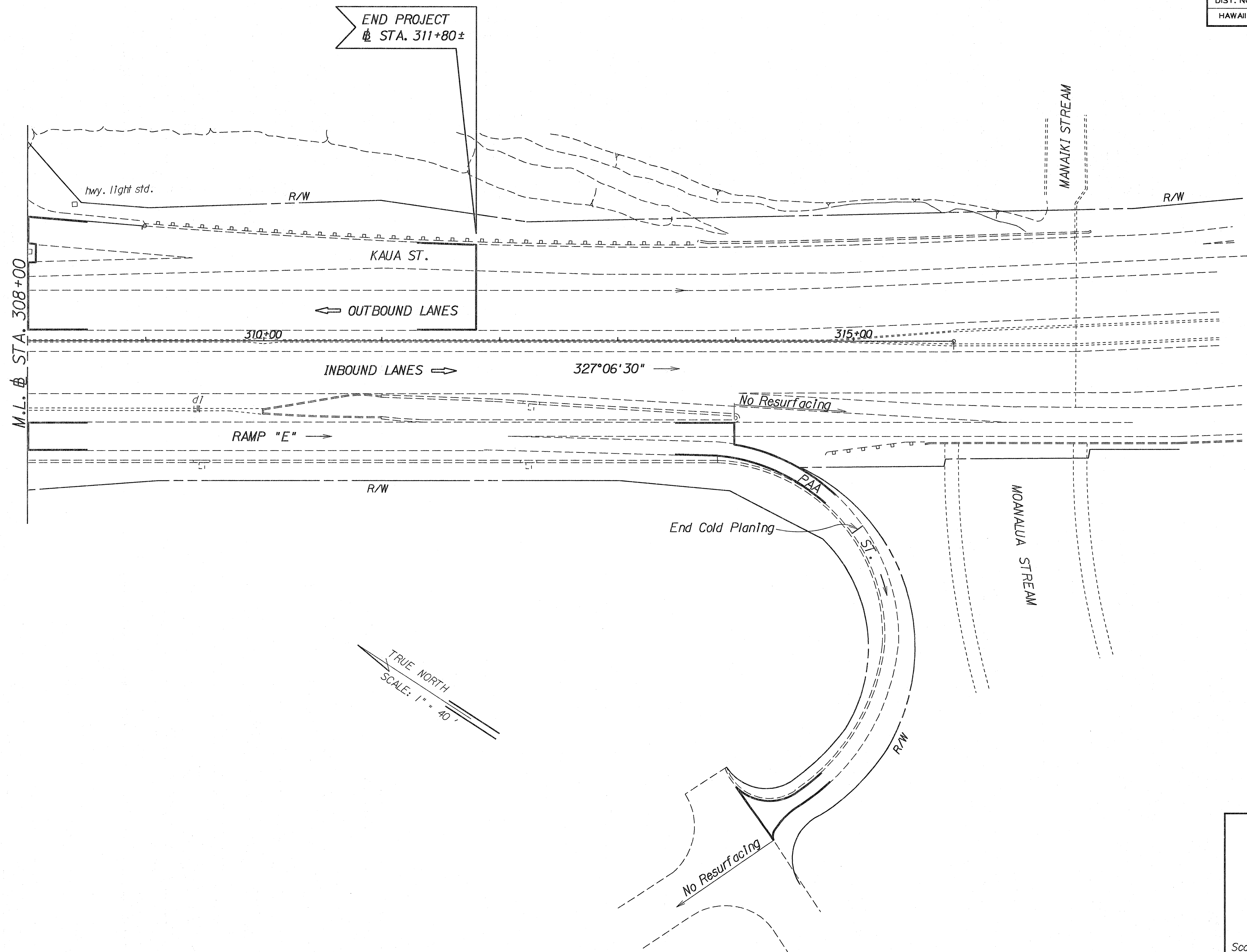
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

MOANALUA FREEWAY RESURFACING
Aiea Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M
Scale: 1" = 40' Date: Dec., 1991
SHEET No. 20 OF 21 SHEETS

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	78A-01-91M	1992	26	70



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

MOANALUA FREEWAY RESURFACING
Aleia Interchange To Moanalua
Stream Bridge (Outbound Lanes)
PROJECT NO. 78A-01-91M

Scale: 1" = 40' Date: Dec., 1991

SHEET No. 21 OF 21 SHEETS